

CLAIMS

We Claim:

1. A nasal irrigation solution comprising:

water; and,

alkaloids extracted from one or more plants.

2. The nasal irrigation solution of claim 2 wherein the alkaloids are selected from one or more of the group consisting of: berberine, oxyberberine, berbamine, palmatine, magnoflorine, phellodendrine, jateorrhizine, candicine, menisperine, coptisine, worenine, columbamine, epiberberine, hydrastine, canadine, canadaline, hydrastidine, oxycyanthine, berberrubine, and isotetrandine.

3. The solution of claim 2 wherein at least hydrastine is extracted from a Goldenseal plant.

4. The solution of claim 1 wherein the extract including canadine, canadaline, and hydrastidine, all extracted from the goldenseal plant.

5. The nasal irrigation solution of claim 1 wherein the one or more plants are selected from the group consisting of: Oregon grape root, yellow root, phellodendron bark, coptis rhizome, barberry root, and Indian barberry root bark.

6. The nasal irrigation solution of claim 2 wherein the one or more plants are selected from the group consisting of: Oregon grape root, yellow root, phellodendron bark, coptis rhizome, barberry root, and Indian barberry root bark.

7. The nasal irrigation solution of claim 1 further comprising an extract of grapefruit seed.

8. The nasal irrigation solution of claim 2 further comprising an extract of grapefruit seed.

9. The nasal irrigation solution of claim 6 further comprising an extract of grapefruit seed.

10. The nasal irrigation solution of claim 1 further comprising vegetable glycerine.

11. The nasal irrigation solution of claim 2 further comprising vegetable glycerine.

12. The nasal irrigation solution of claim 6 further comprising vegetable glycerine.

13. The nasal irrigation solution of claim 9 further comprising vegetable glycerine.

14. The nasal irrigation solution of claim 1 further comprising salt.

- 5 15. The nasal irrigation solution of claim 2 further comprising salt.
16. The nasal irrigation solution of claim 6 further comprising salt.
17. The nasal irrigation solution of claim 14 further comprising salt.
18. The nasal irrigation solution of claim 1 further comprising water soluble zinc preferably zinc acetate dihydrate.
- 10 19. The nasal irrigation solution of claim 2 further comprising water soluble zinc preferably zinc acetate dihydrate.
20. The nasal irrigation solution of claim 6 further comprising water soluble zinc preferably zinc acetate dihydrate.
21. The nasal irrigation solution of claim 17 further comprising water soluble zinc preferably
- 15 zinc acetate dihydrate.
22. The nasal irrigation solution of claim 19 wherein the zinc acetate is in the range of about 2 to about 12 mg/ml.
23. The solution of claim 5 wherein the concentrations are: about 0.0001 to about 0.002 ml/ml for grapefruit seed extract; about 1 to about 10 mg/ml for Phellodendron bark; about 1 to about 10
- 20 mg/ml for goldenseal root; about 1 to about 10 mg/ml for barberry root; and, about 1 to about 10 mg/ml for coptis rhizome.
24. The solution of claim 6 wherein the concentrations are: about 0.0001 to about 0.002 ml/ml for grapefruit seed extract; about 1 to about 10 mg/ml for Phellodendron bark; about 1 to about 10
- 25 mg/ml for goldenseal root; about 1 to about 10 mg/ml for barberry root; and, about 1 to about 10 mg/ml for coptis rhizome.
25. The solution of claim 21 wherein the concentrations are: about 0.0001 to about 0.002 ml/ml for grapefruit seed extract; about 1 to about 10 mg/ml for Phellodendron bark; about 1 to about 10
- mg/ml for goldenseal root; about 1 to about 10 mg/ml for barberry root; and, about 1 to about 10 mg/ml for coptis rhizome.

- 5 26. The solution of claim 6 wherein the family of alkaloids are those extracted by ethyl alcohol.
27. The solution of claim 1 wherein the solution contains one or more of the group of constituents consisting of: colloidal silver; an essential oil; and extracts of echinacea.
28. The solution of claim 2 wherein the solution contains one or more of the group of constituents consisting of: colloidal silver; an essential oil; and extracts of one or more of the
- 10 group consisting of echinacea-angustifolia, echinacea-purpurea, and echinacea-pallida.

- 5 29. A method of treating nasal cavities comprising:
 providing a solution having one or more constituents selected from the group consisting of: a
family of alkaloids extracted from one or more plants; essential oils; zinc; salt; glycerine; colloidal
silver; extracts of echinacea; and grapefruit seed; and,
 flowing the solution through at least a portion of the nasal cavities.
- 10 30. The method of claim 29 including the step of first diluting the solution as desired into water
or a saline solution to form a dilute solution and flowing the dilute solution through a desired portion
of the nasal cavities.
31. The method of claims 29 wherein the flowing step includes feeding the solution into a first
nostril while discharging the solution through a second nostril.
- 15 32. The method of claim 31 further comprising placing the solution into a vessel having a port
which cooperates with a nostril to provide an acceptable degree of sealing between the vessel and the
first nostril, and, positioning the nostril and the vessel with respect to each other such that either
gravity or ambient air pressure will flow the solution from the vessel into the first nostril and out of
the second nostril.
- 20 33. The method of claims 29 wherein the flowing step includes flowing about 4 to about 16
ounces, and more preferably about the 8 ounces of solution, are flowed through the nasal cavities.
34. The method of claim 29 wherein the alkaloid are selected from the group consisting of
berberine, oxyberberine, berbamine, palmatine, magnoflorine, phellodendrine, jateorrhizine,
candicine, menisperine, coptisine, worenine, columbamine, epiberberine, hydrastine, canadine,
25 canadaline, hydrastidine, oxycanthine, berberrubine, and isotetrandine.
35. The method of claim 34 wherein the plants from which the alkaloids are extracted are
selected from the group consisting of Oregon grape root, yellow root, phellodendron bark, coptis
rhizome, barberry root, and Indian barberry root bark.